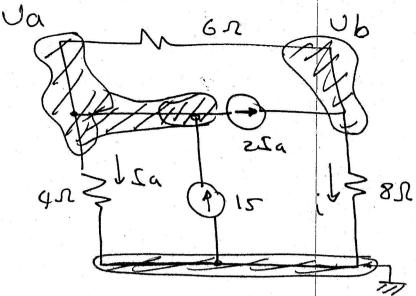


$$V(8) = 0 = 8 + C4$$

$$= \frac{1}{R} + c \frac{dv}{dt}$$

0,4452 2 < 1 < 4 4 < 4 < 6 6 < t < 8 844610



## 1) Node methode

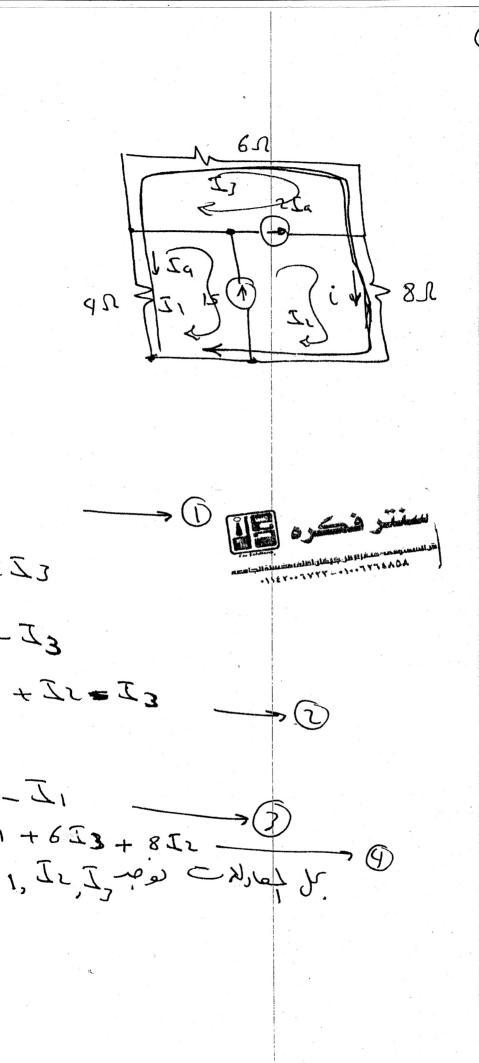
at node va

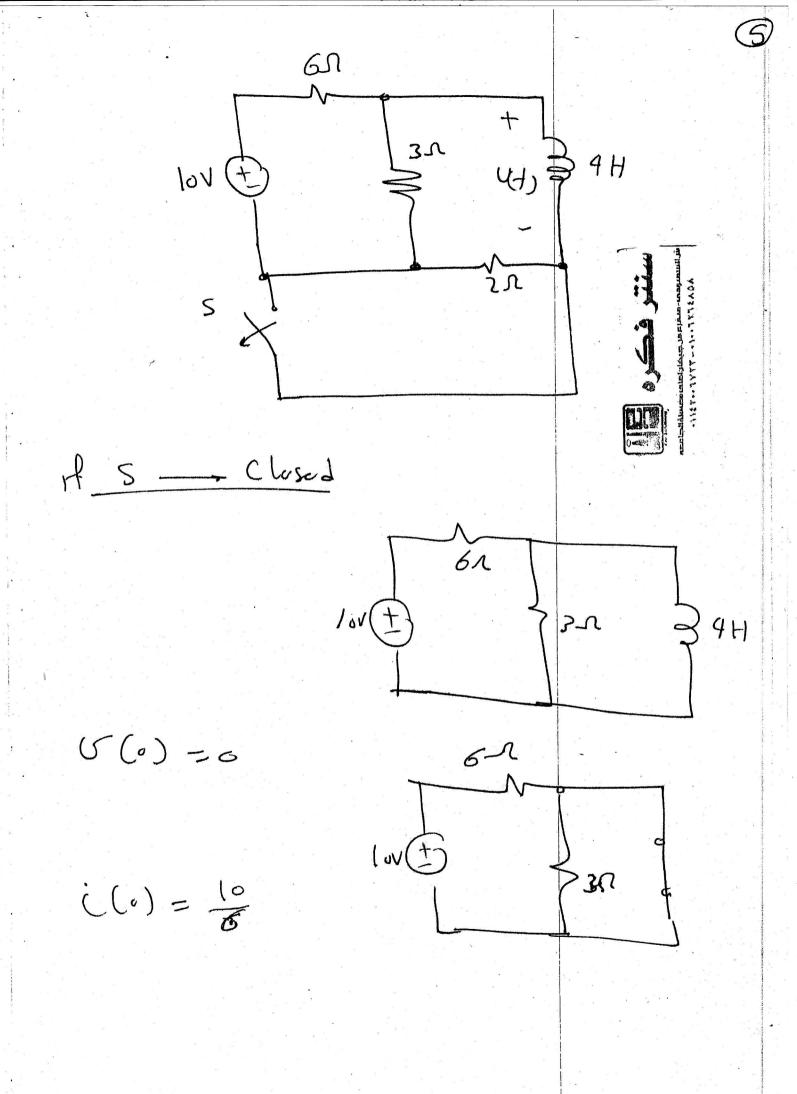
$$15 - 2Ia = \frac{Ua - Ub}{6} + \frac{Ua - 0}{4}$$

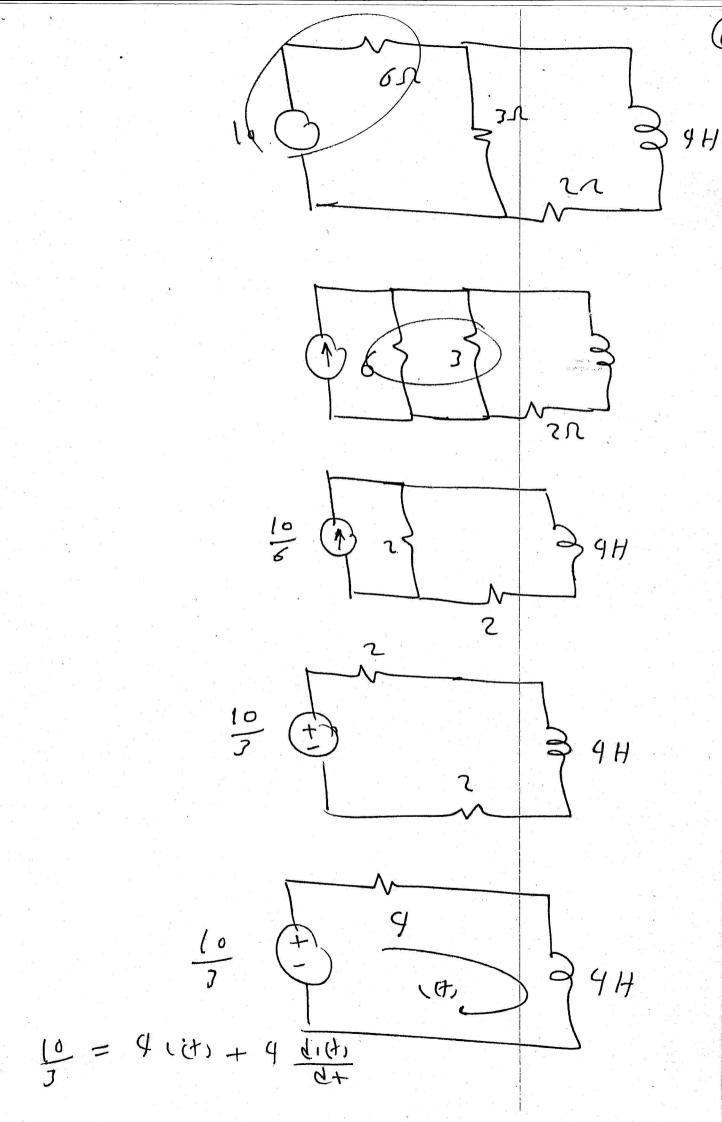
at Ub

16 Ma is what is

ر سن







$$\frac{10}{12} = (H) + \frac{d(H)}{d+}$$

$$C'(t) = ke^{-\alpha t}$$

$$= ke^{-\alpha t}$$

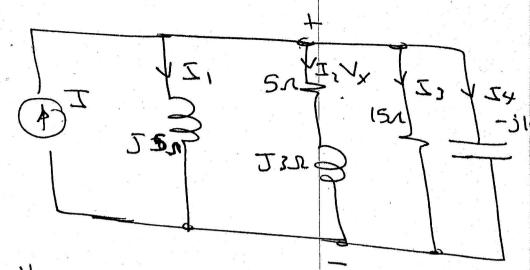
$$(it) = (ict) + (ipt)$$

$$= ke^{-t} + \frac{10}{12}$$

$$(ib) = \frac{10}{6} = k + \frac{10}{12}$$

$$k = \frac{10}{6} - \frac{10}{12}$$



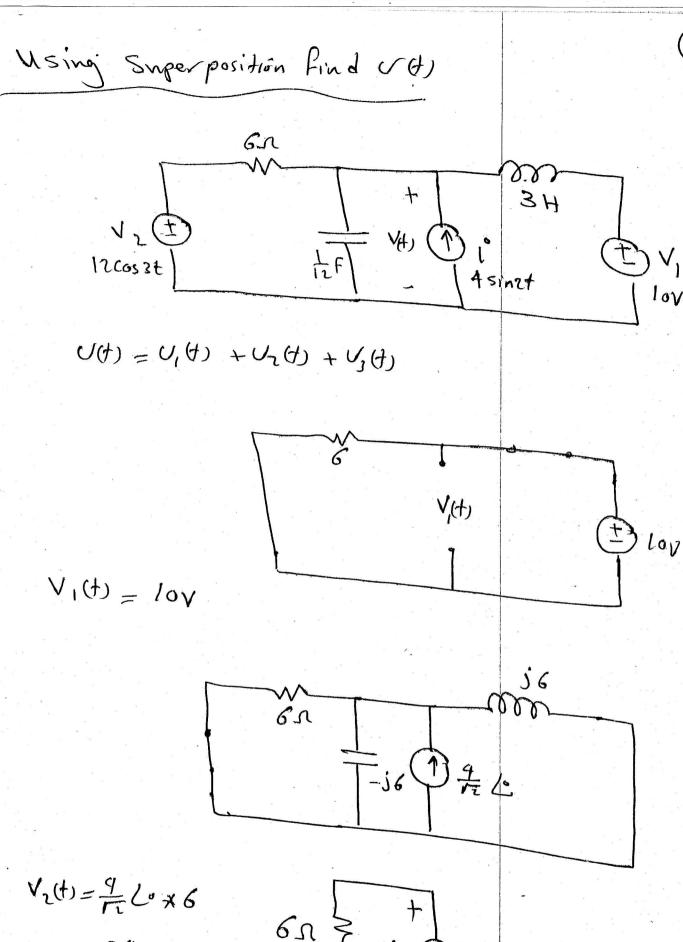


PSIR = 500 wat

$$P_5 = \frac{11}{R} = 500 = \frac{11}{5R}$$

$$\frac{1}{2T} = \frac{1}{55} + \frac{1}{5+i3} + \frac{1}{15} + \frac{1}{-510}$$

$$I = \frac{1}{\sqrt{x}}$$



$$V_2(t) = \frac{9}{12} L_0 \times 6$$

$$= \frac{29}{12} L_0$$

$$V_3(t) = \frac{12}{\sqrt{2}} 1900 * \frac{((j'9 * (-j'9))/j9 - j'4)}{6 + (\frac{j'9 * -j'9}{j'5})}$$

$$P_{GR} = \frac{V^2}{R} = \frac{\left(V_2 - V_{(H)}\right)^2}{6R}$$

20/45 (+) To Find 1th 20/95 Ything 20145 (+) K.C.l at Uth Uth - 20 L45 + Uth -0 = - 2 I I = 20 645 - Uth = -2 (20195 - VAh -- Uth = \_

$$\frac{4}{1}$$

$$\frac{3}{1}$$

$$\frac{3}$$

$$= \frac{7}{4}$$

$$\frac{4}{4} + \frac{1}{12}$$

$$(\frac{1}{4} + \frac{1}{12} - \frac{1}{2})$$

$$\frac{1}{\frac{1}{4} + \frac{1}{12} - \frac{1}{2}}$$

$$\frac{1}{\frac{1}{4} + \frac{1}{12} - \frac{1}{2}}$$

$$\frac{1}{2} = 1 - 1$$

4 Rel 21

